

FIG. 1

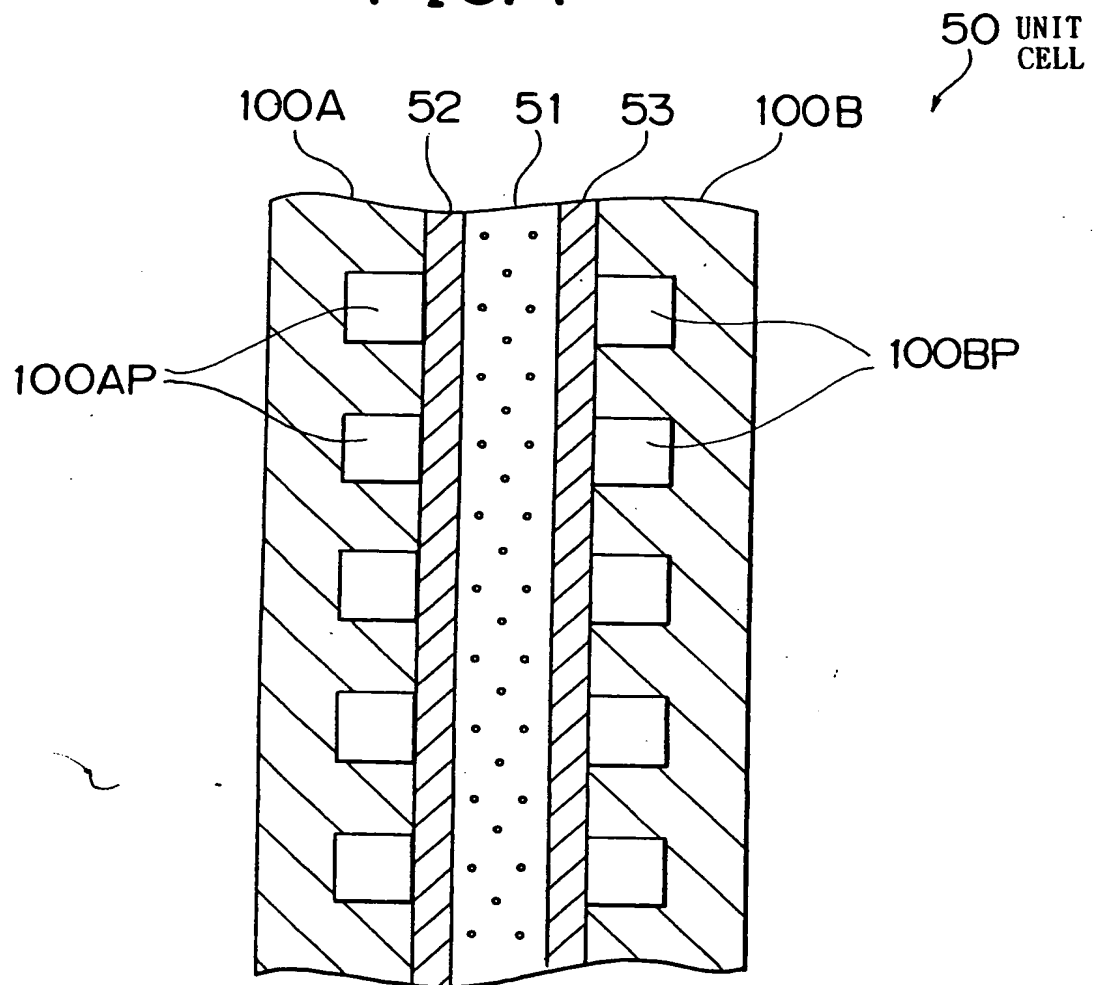


FIG. 2

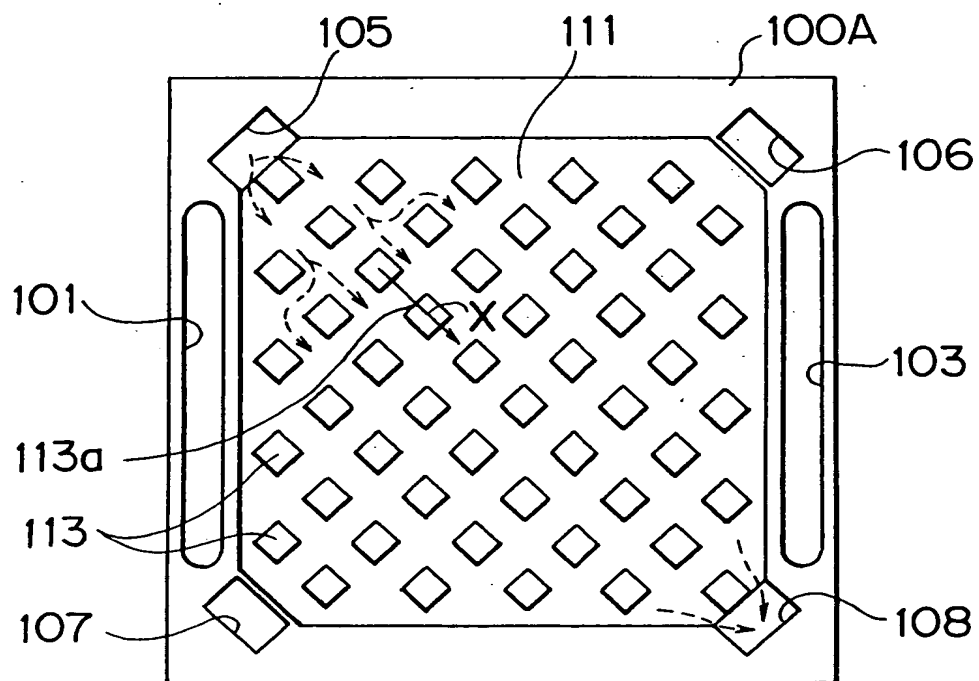


FIG. 4

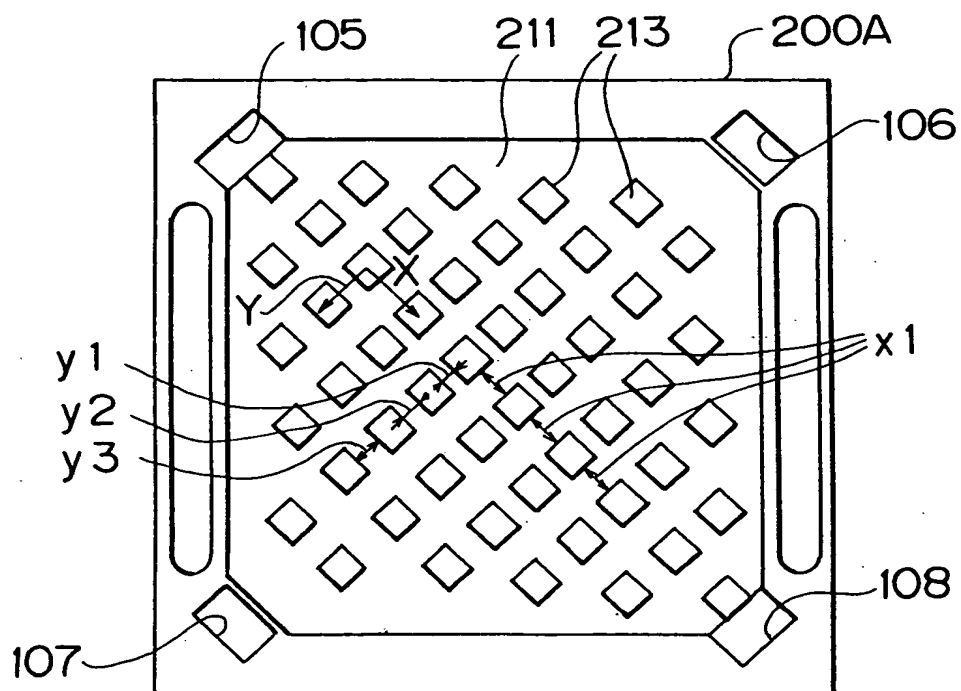


FIG. 3

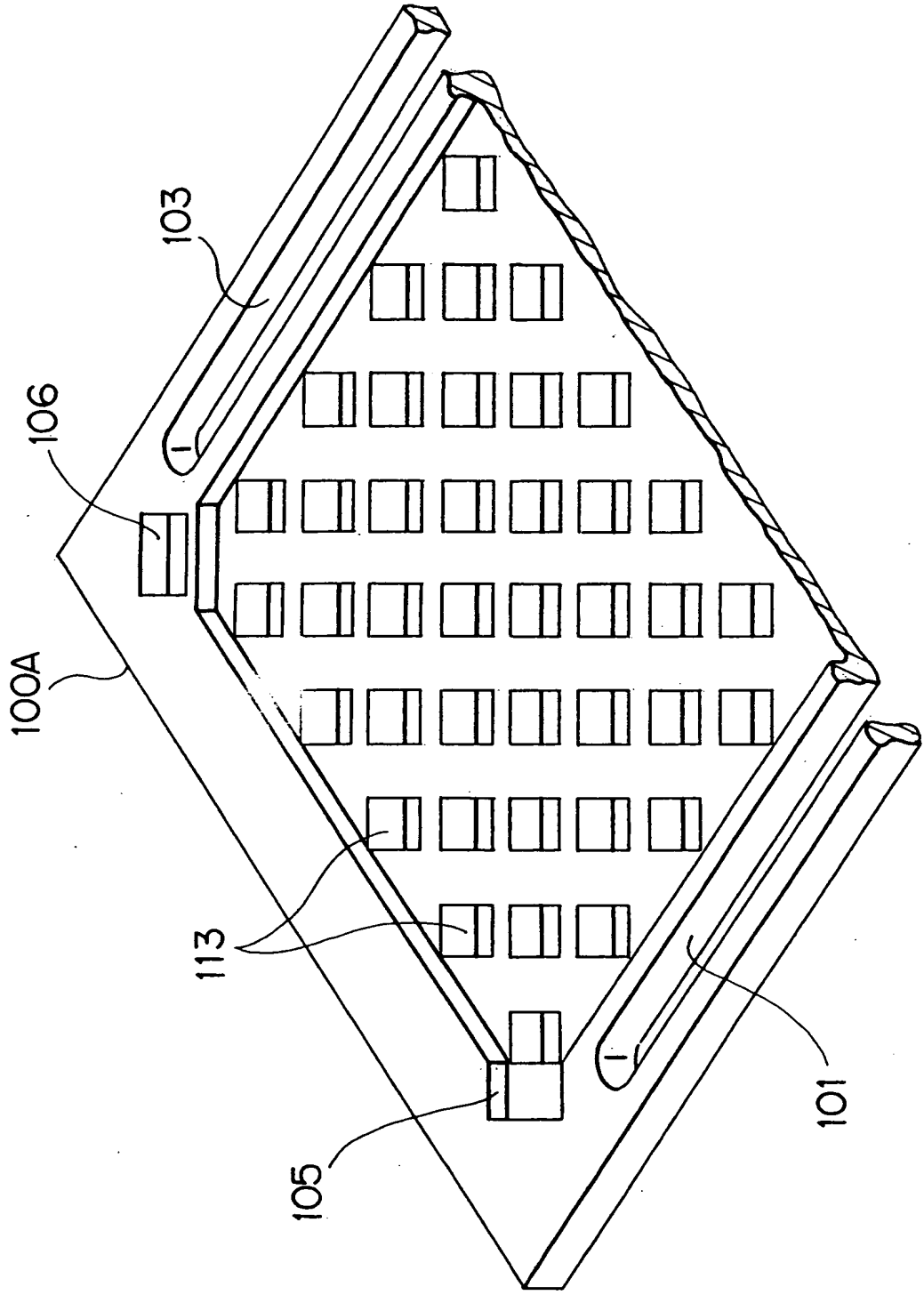


FIG. 5

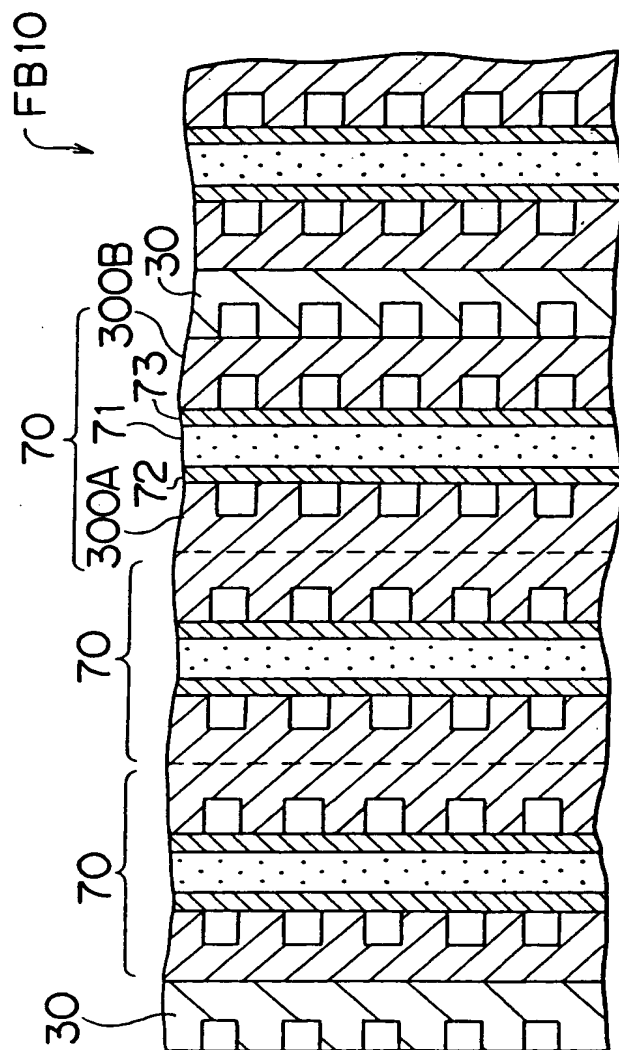


FIG. 6

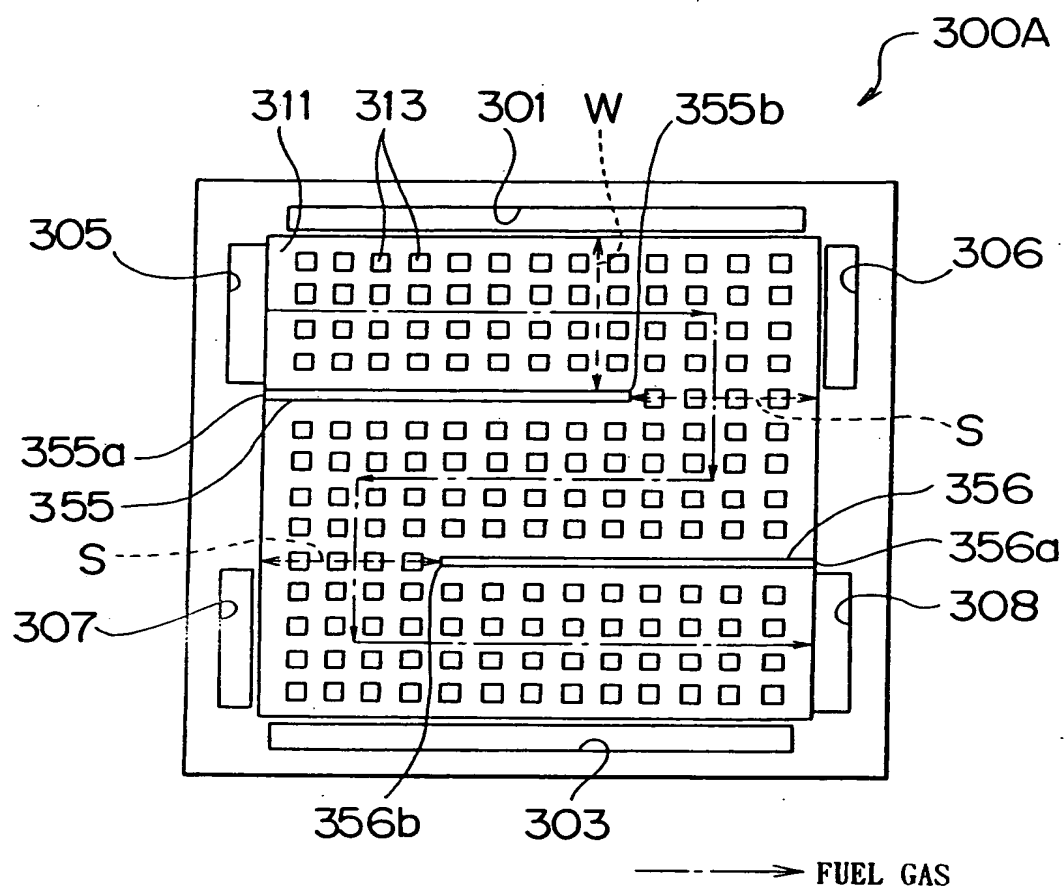


FIG. 7

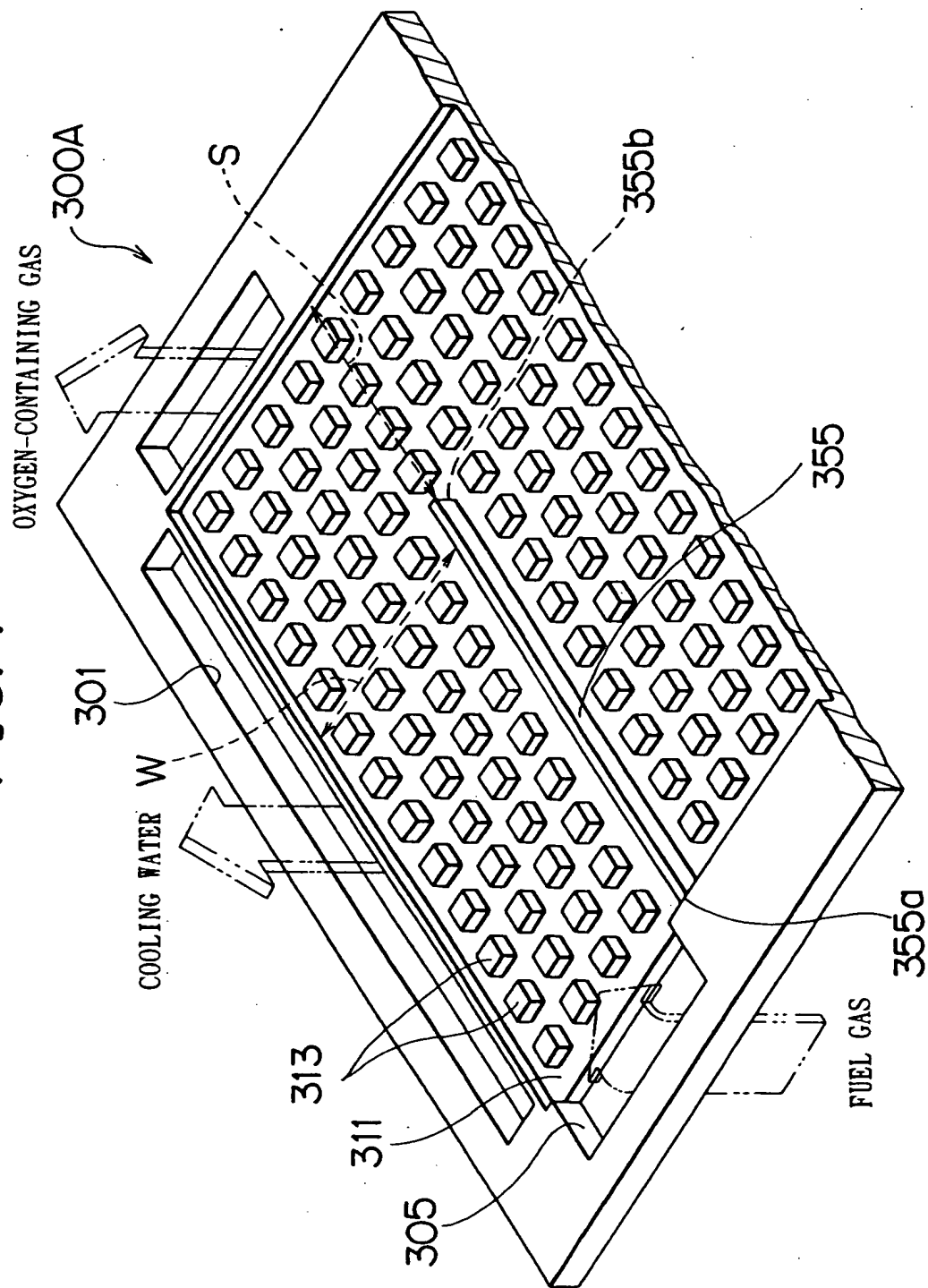


FIG. 8

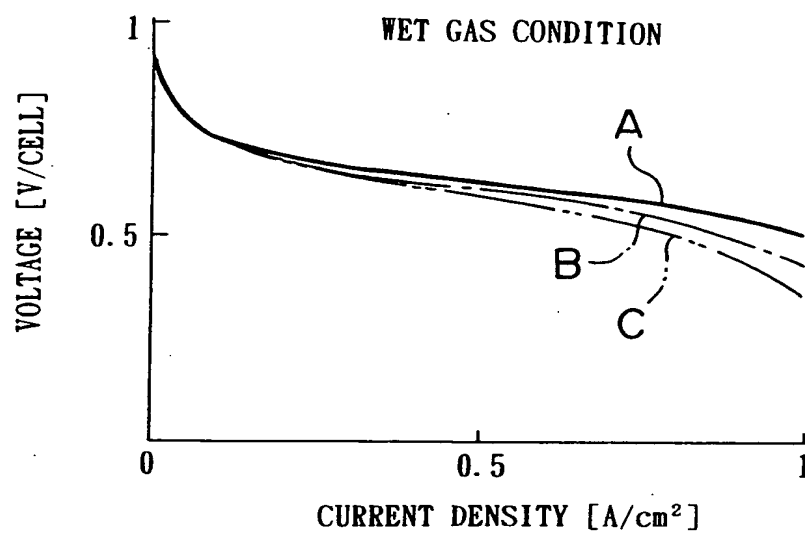


FIG. 9

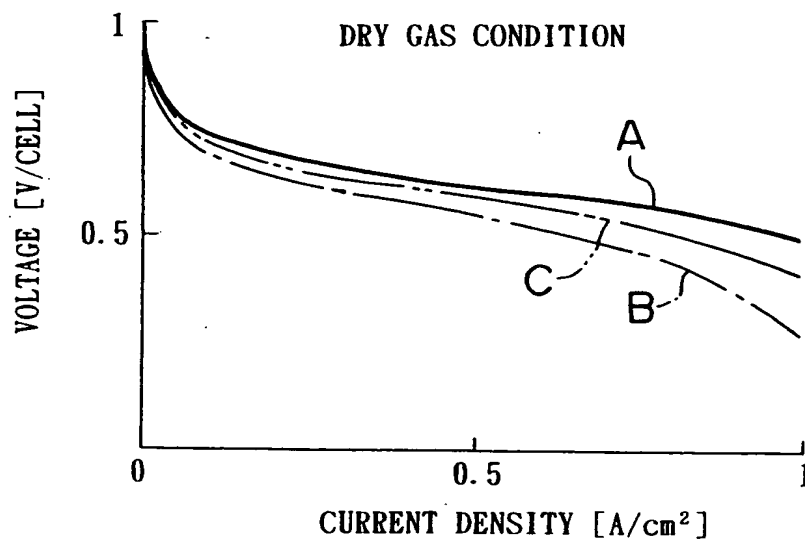


FIG. 10

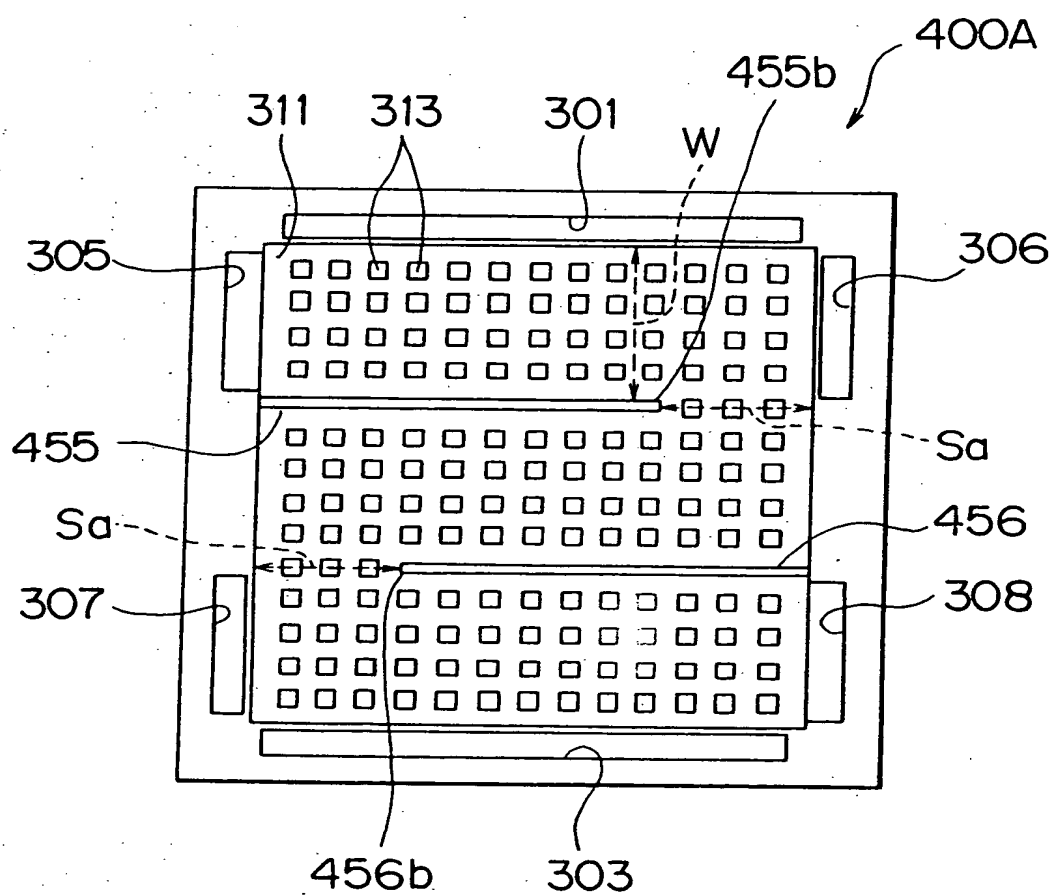


FIG. 11

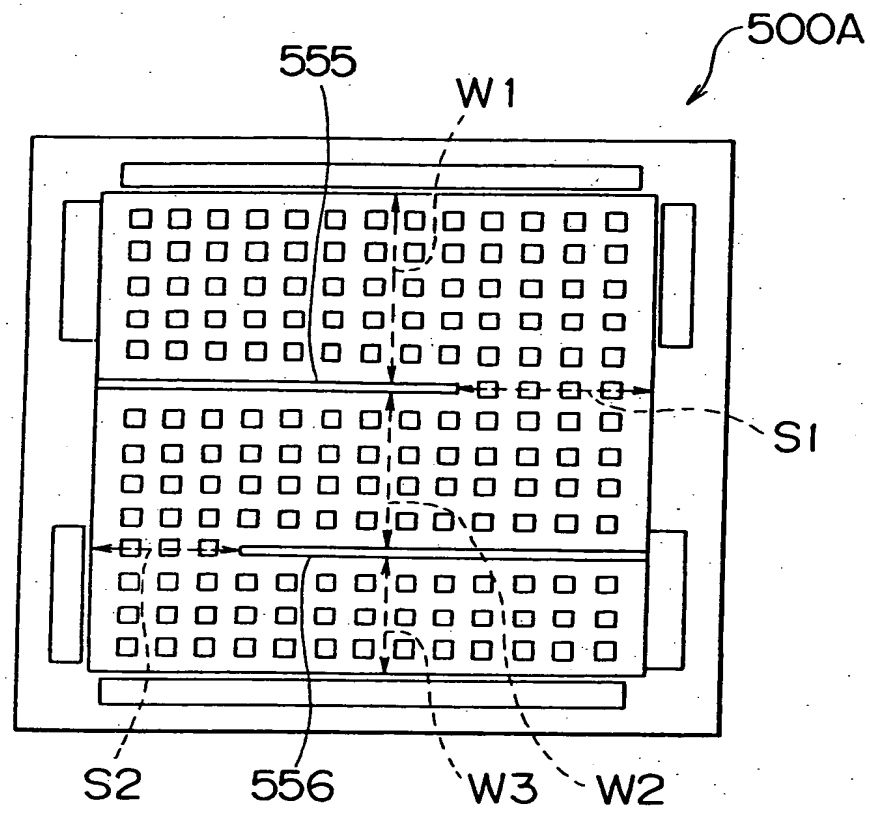


FIG. 12

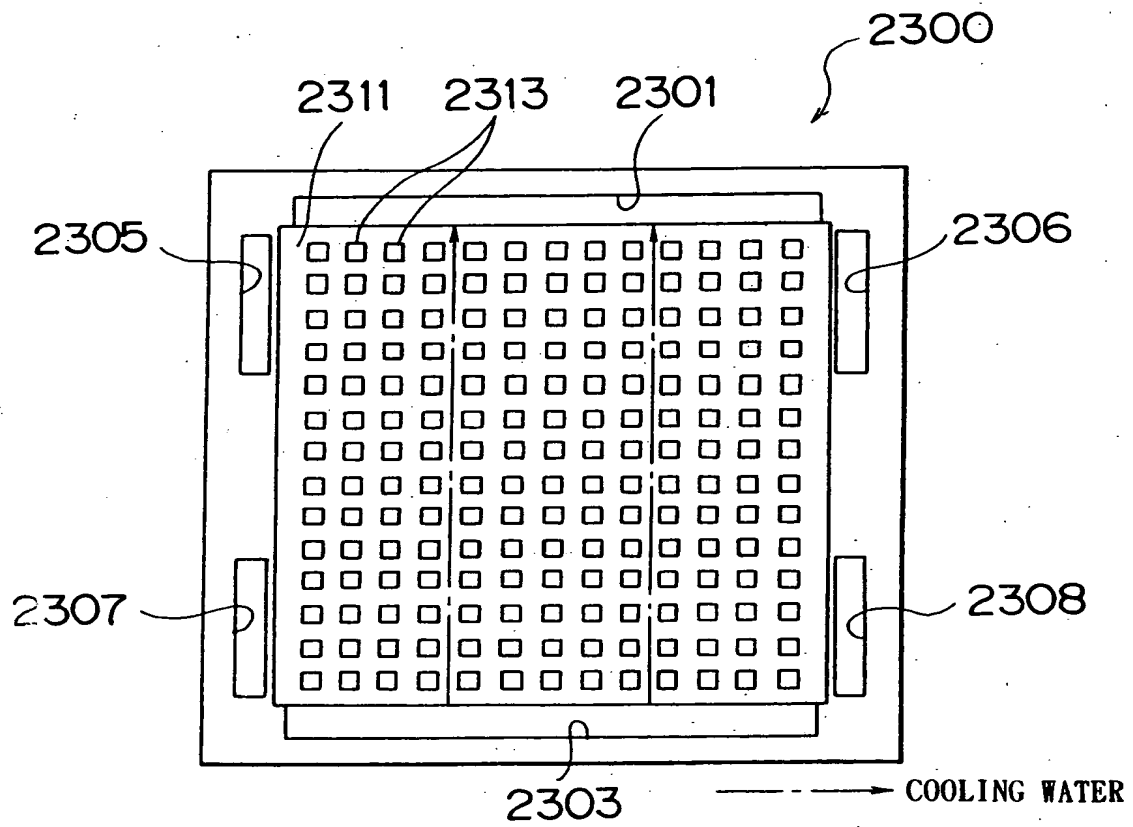
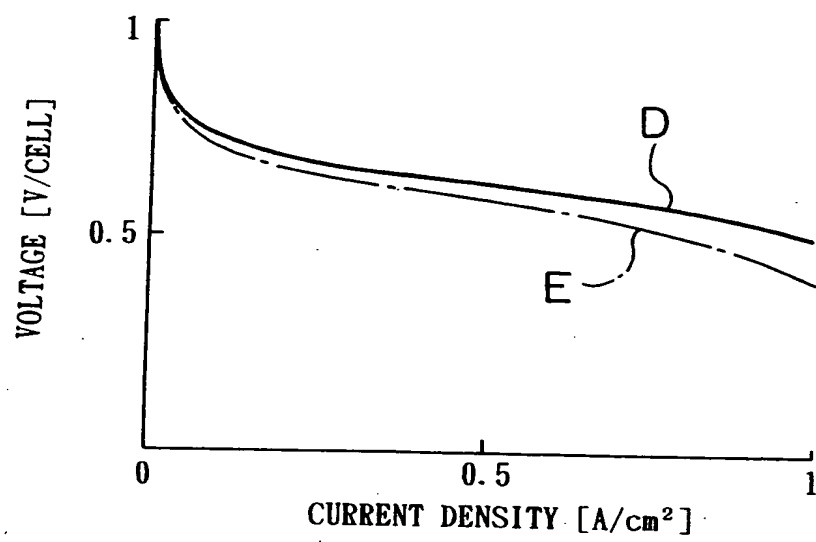


FIG. 13



1

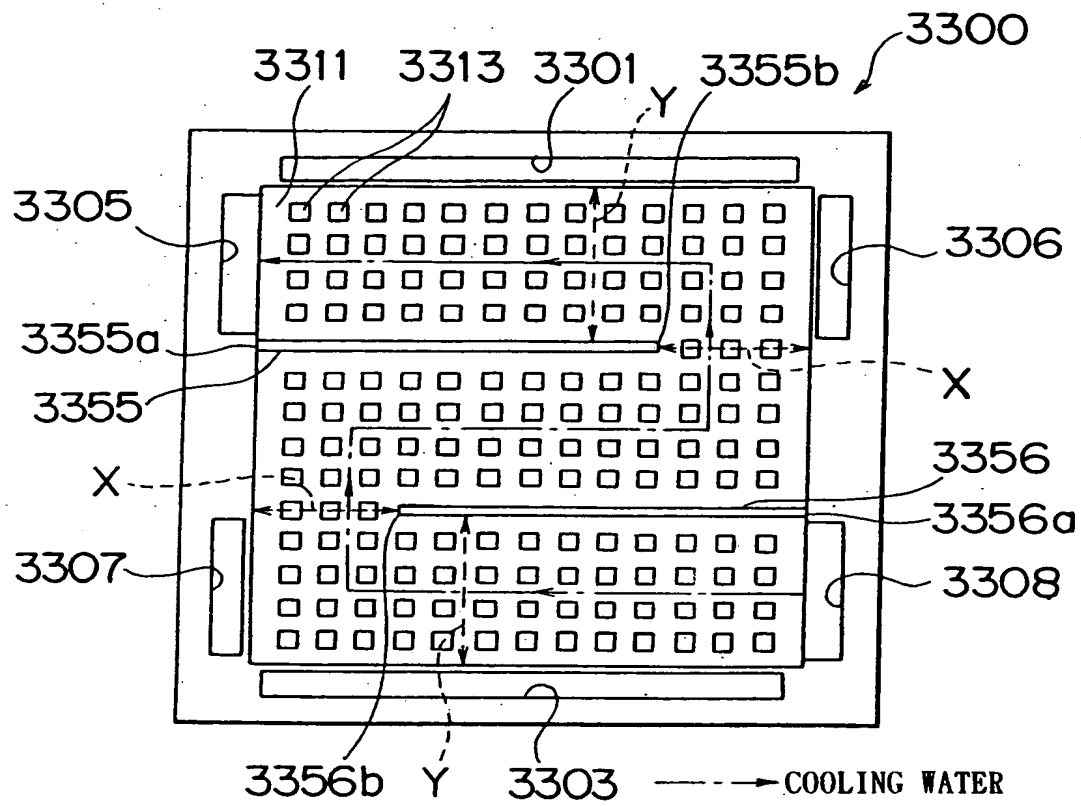


FIG. 15

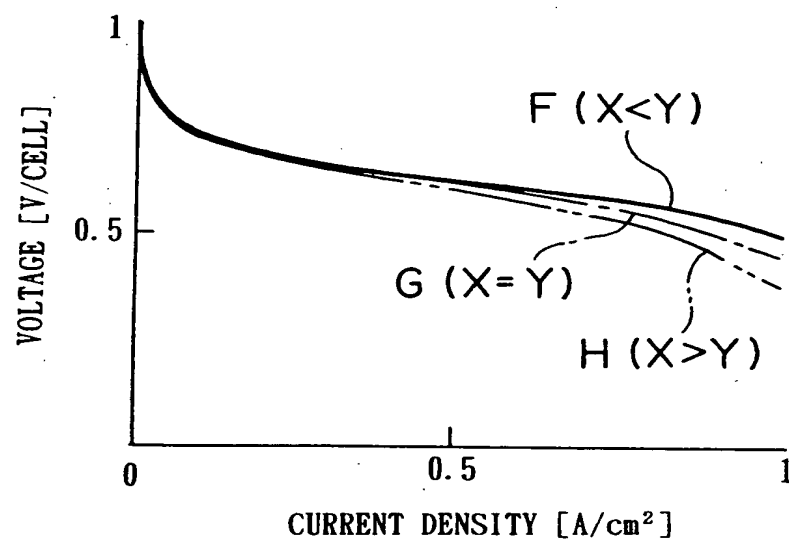


FIG. 16

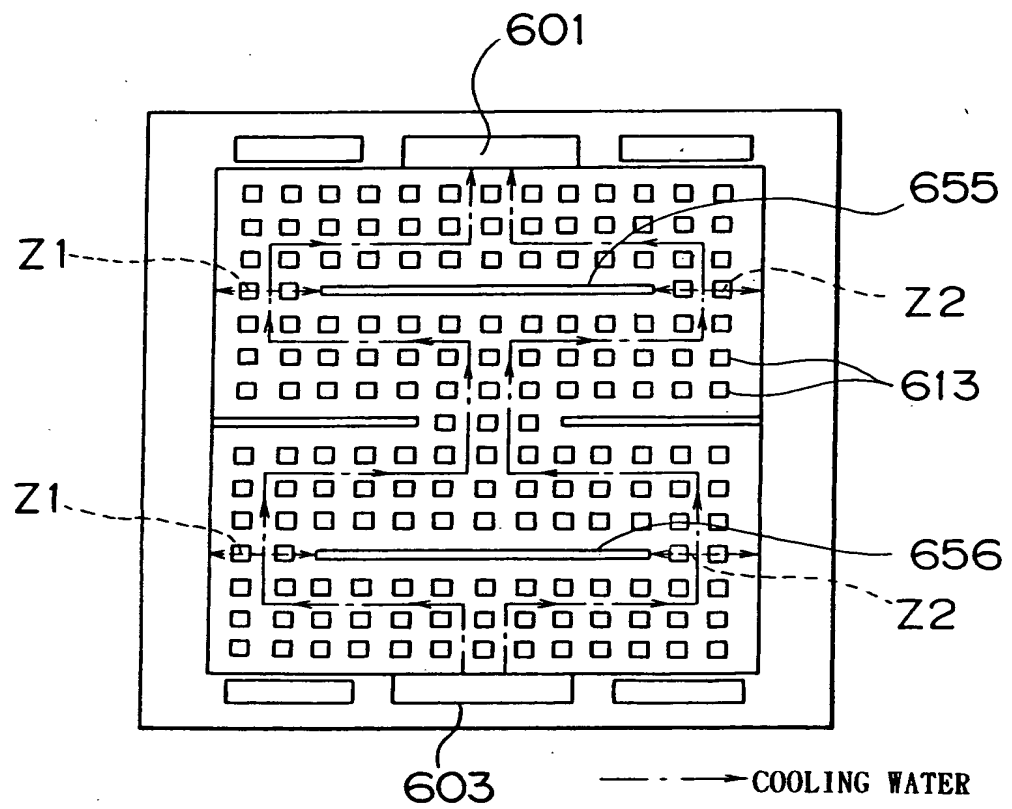
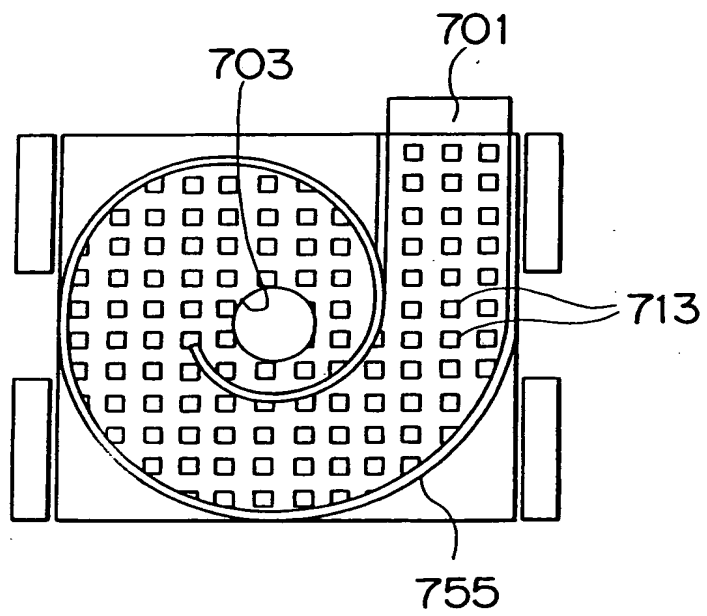


FIG. 17



A cross-sectional view of a semiconductor device. A central channel region 125 is defined by a central gate structure 132a and 132b. The channel is flanked by side gate regions 142 and 144. The device is surrounded by a substrate 130a and 130b. A large arrow on the left indicates a direction of flow or force, and a smaller arrow on the right is labeled 'A'.

Diagram illustrating a grid structure with nodes and connections. The grid consists of nine square nodes arranged in a 3x3 pattern. Each node contains a smaller square with a dotted pattern. The nodes are labeled as follows:

- Top-left node: 133a
- Top-middle node: 132a
- Top-right node: 150
- Middle-left node: 132b
- Middle-middle node: 133b
- Bottom-left node: 144
- Bottom-middle node: 132b
- Bottom-right node: 133b

Connections are shown between the nodes:

- Horizontal connections: Solid lines with arrows pointing right between the top row (133a to 132a, 132a to 150) and the bottom row (132b to 133b, 133b to 132b).
- Vertical connections: Solid lines with arrows pointing down between the top and middle rows (133a to 132b, 132a to 133b) and between the middle and bottom rows (132b to 132b, 133b to 132b).
- Diagonal connections: Solid lines with arrows pointing from the top-middle node (132a) to the bottom-left node (144) and from the top-right node (150) to the bottom-middle node (132b).

Dashed lines outline the grid structure, and solid lines with arrows indicate the flow of connections between the nodes.

FIG. 20

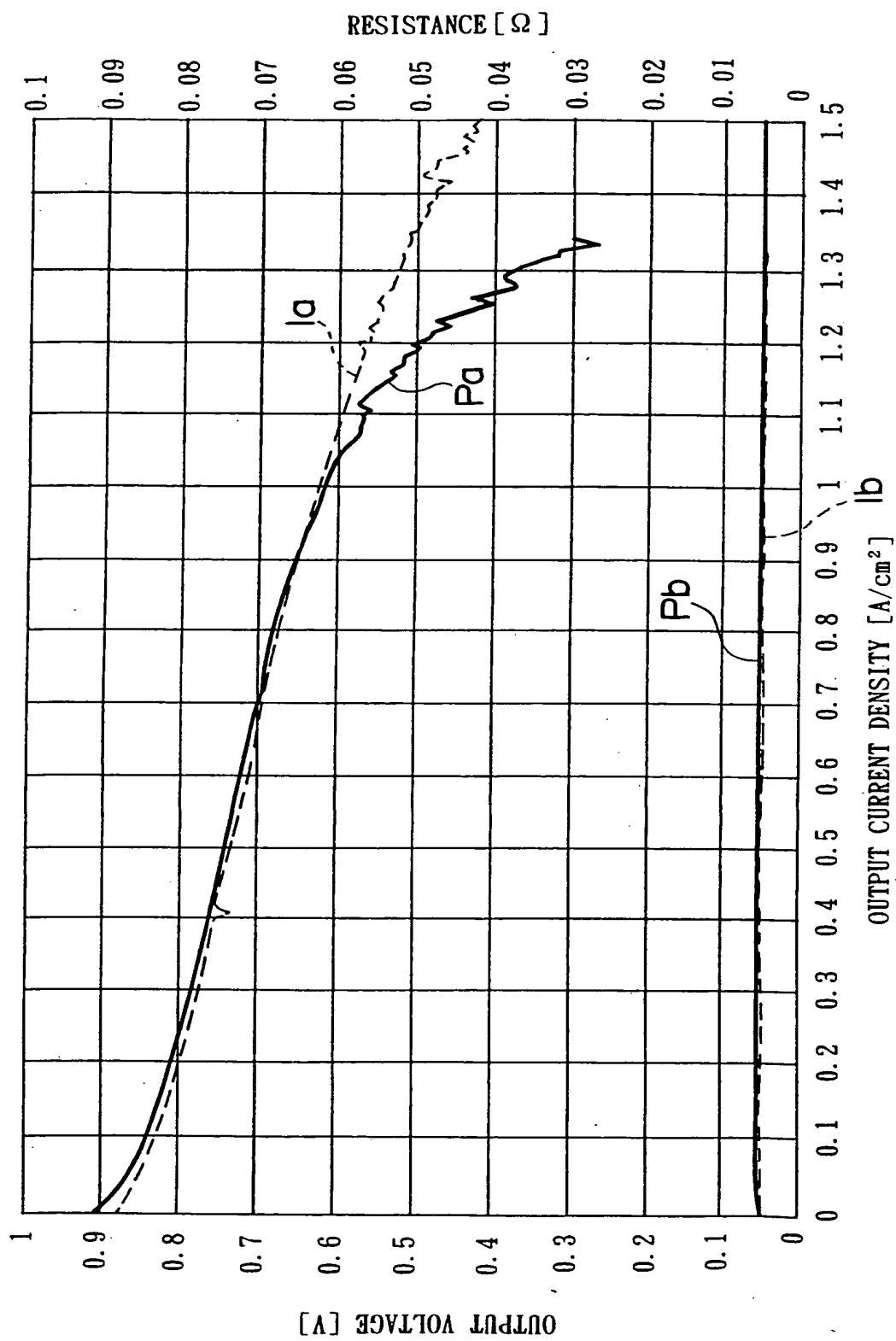


FIG. 21

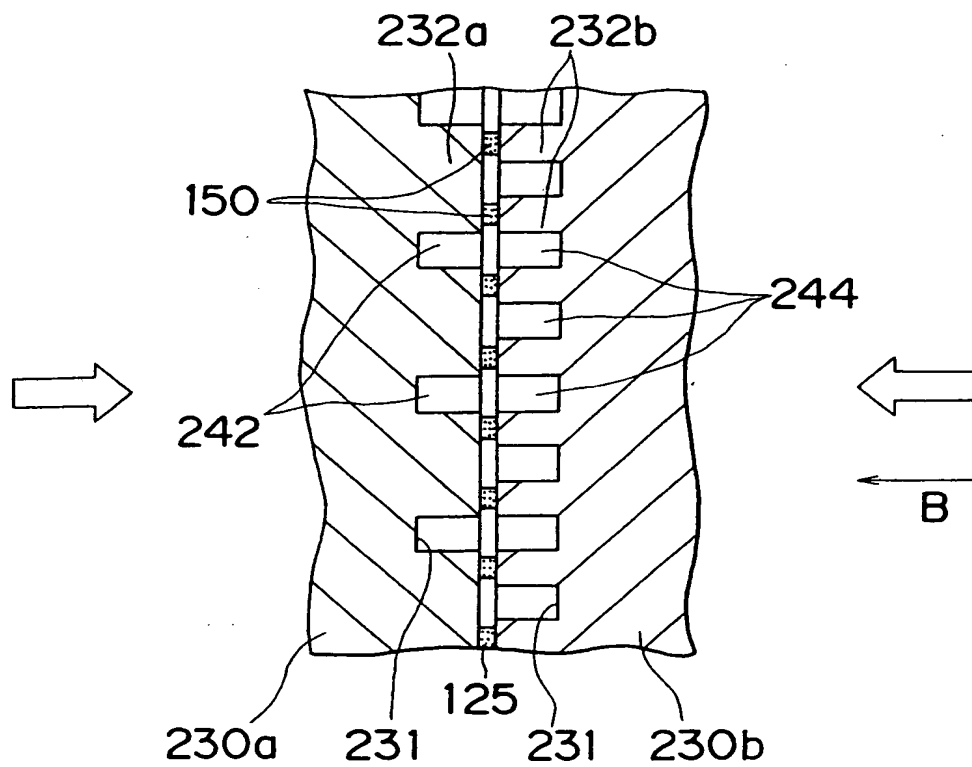


FIG. 22

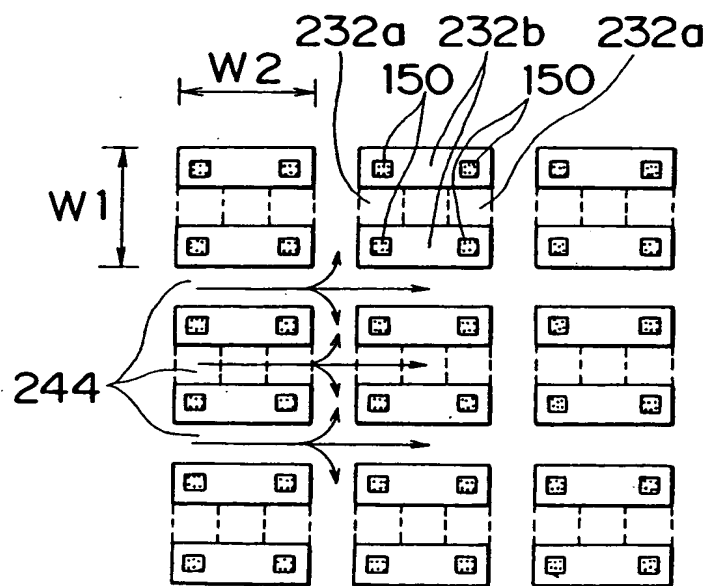


FIG. 23

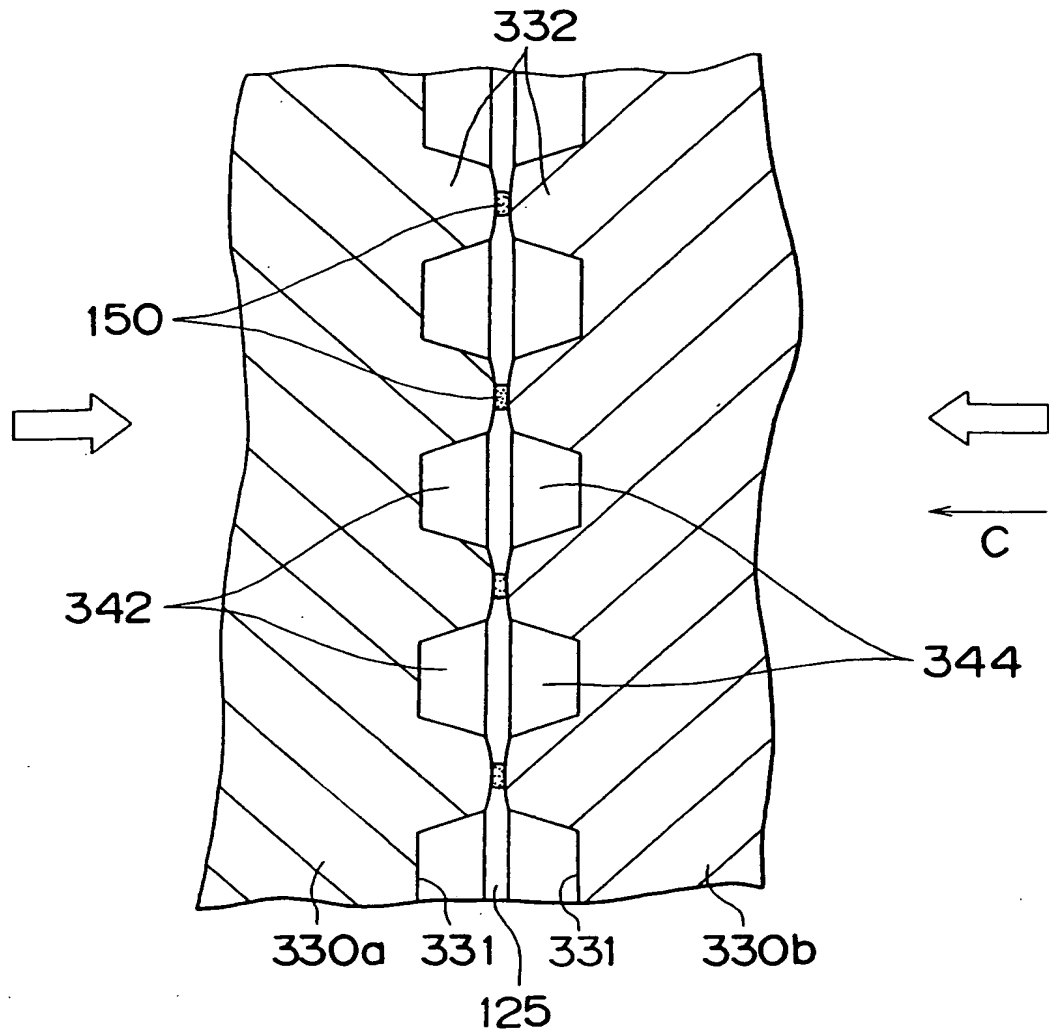


FIG. 24

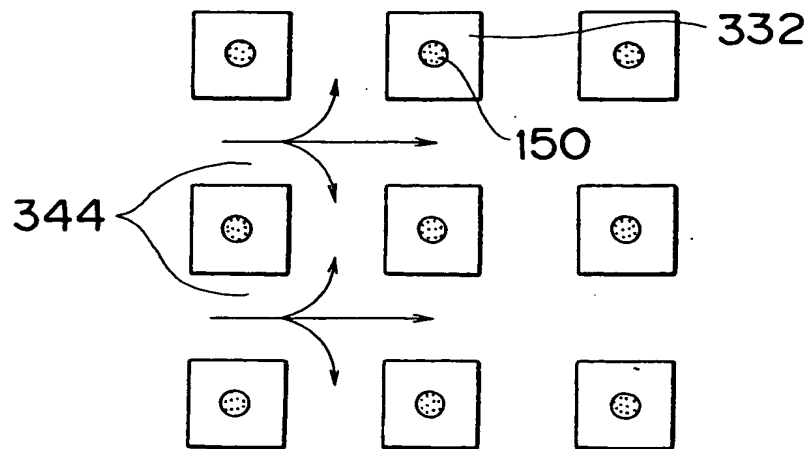


FIG. 25A

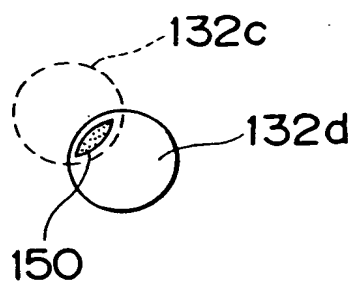


FIG. 25B

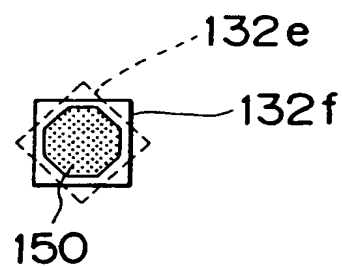


FIG. 26A

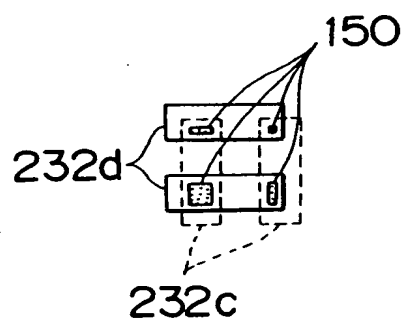


FIG. 26B

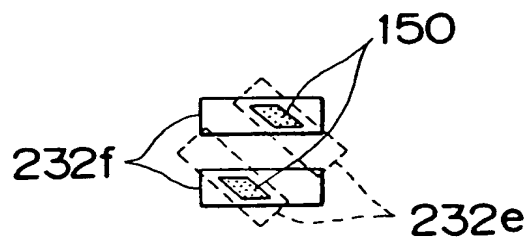


FIG. 26C

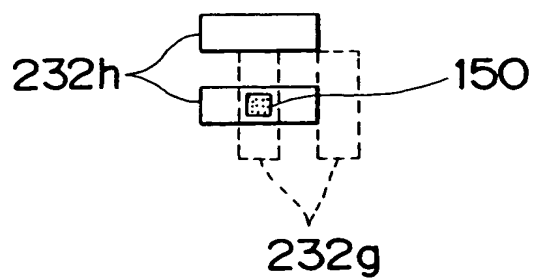


FIG. 27A

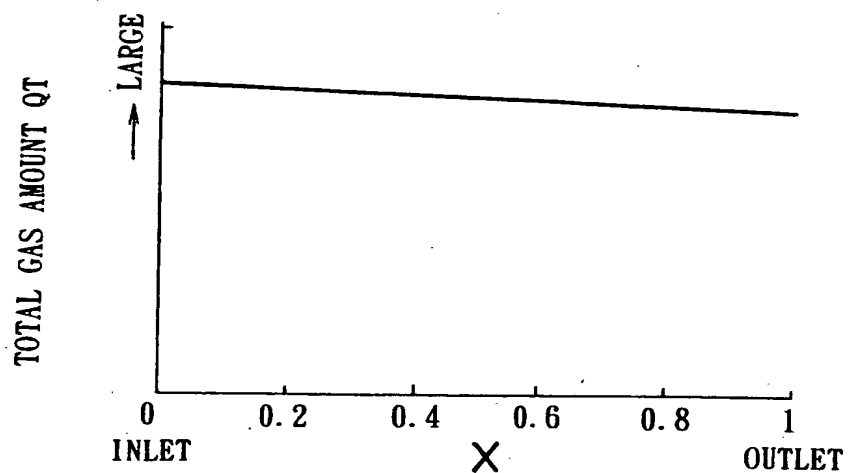


FIG. 27B

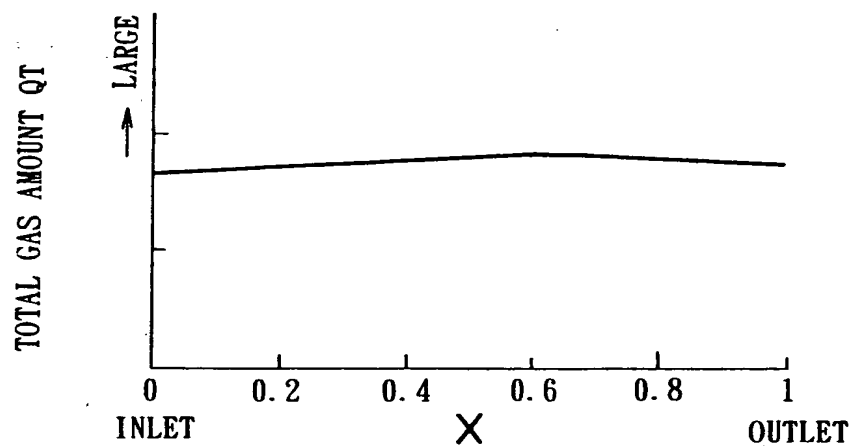


FIG. 27C

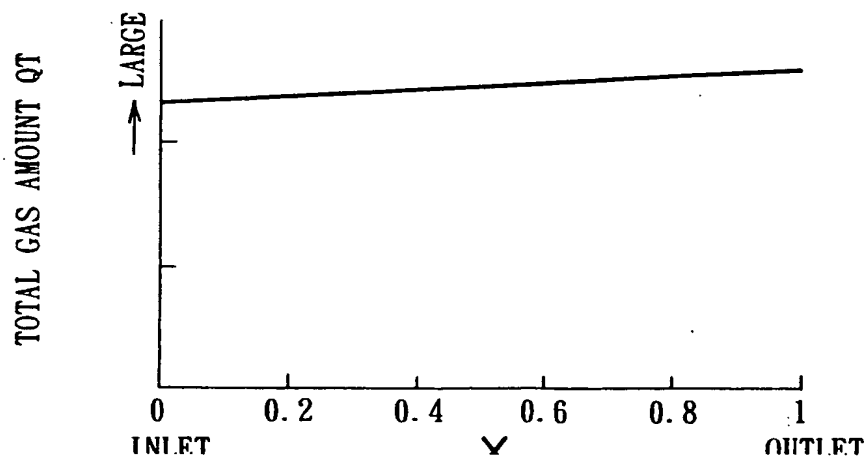


FIG. 28

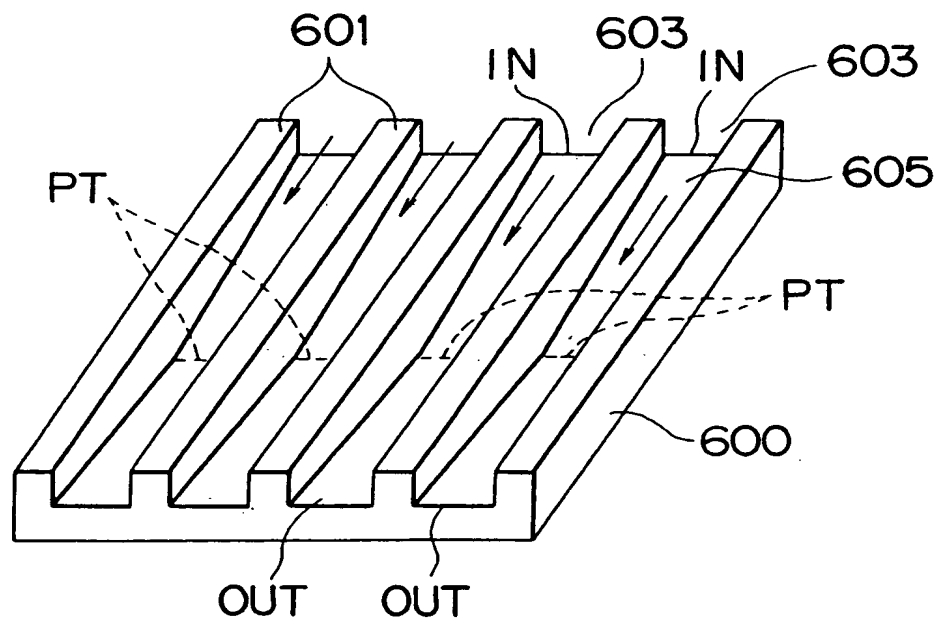
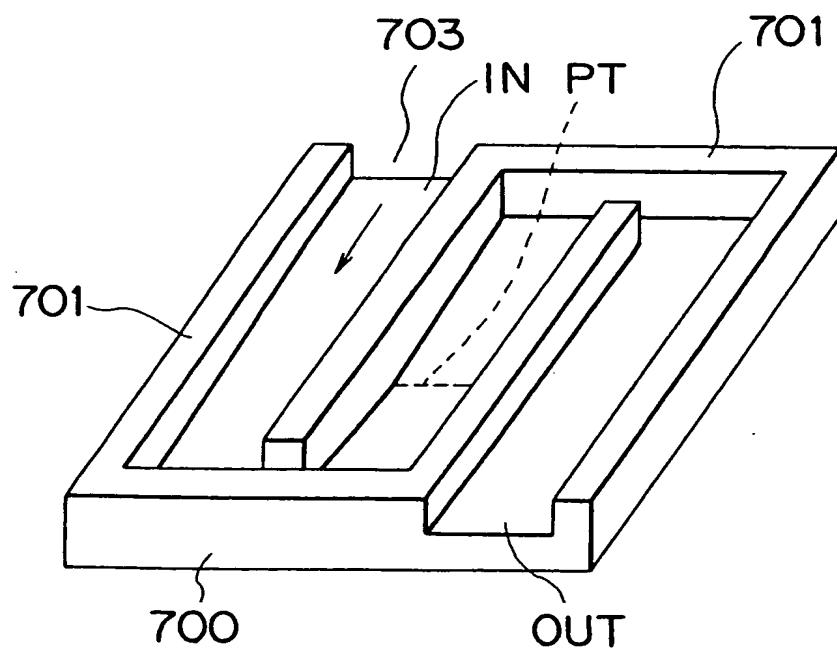


FIG. 29



803 PT



FIG. 31



-PT

FIG. 32

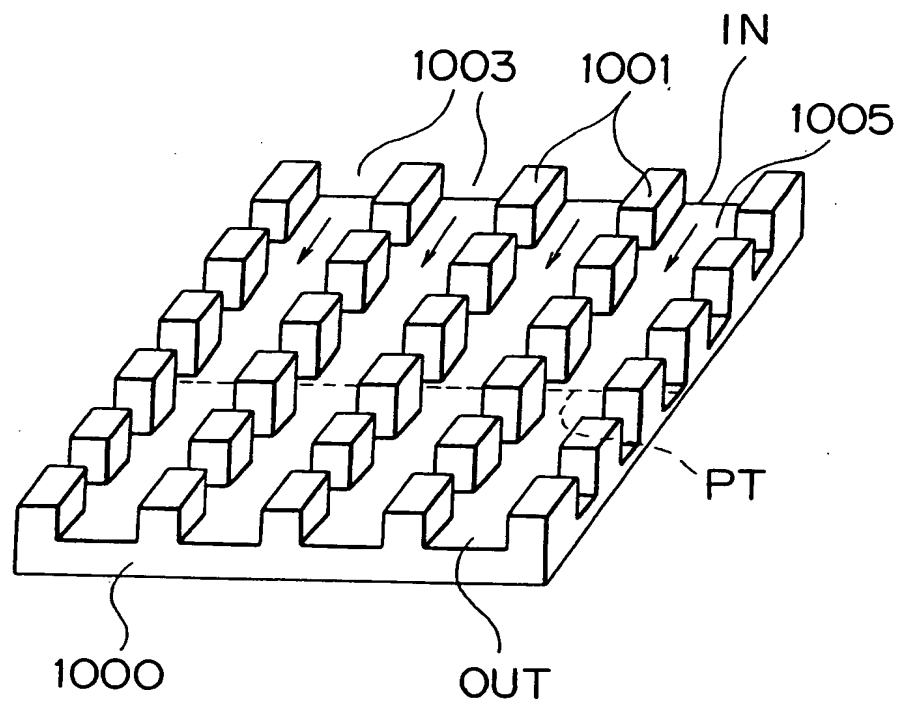


FIG. 33

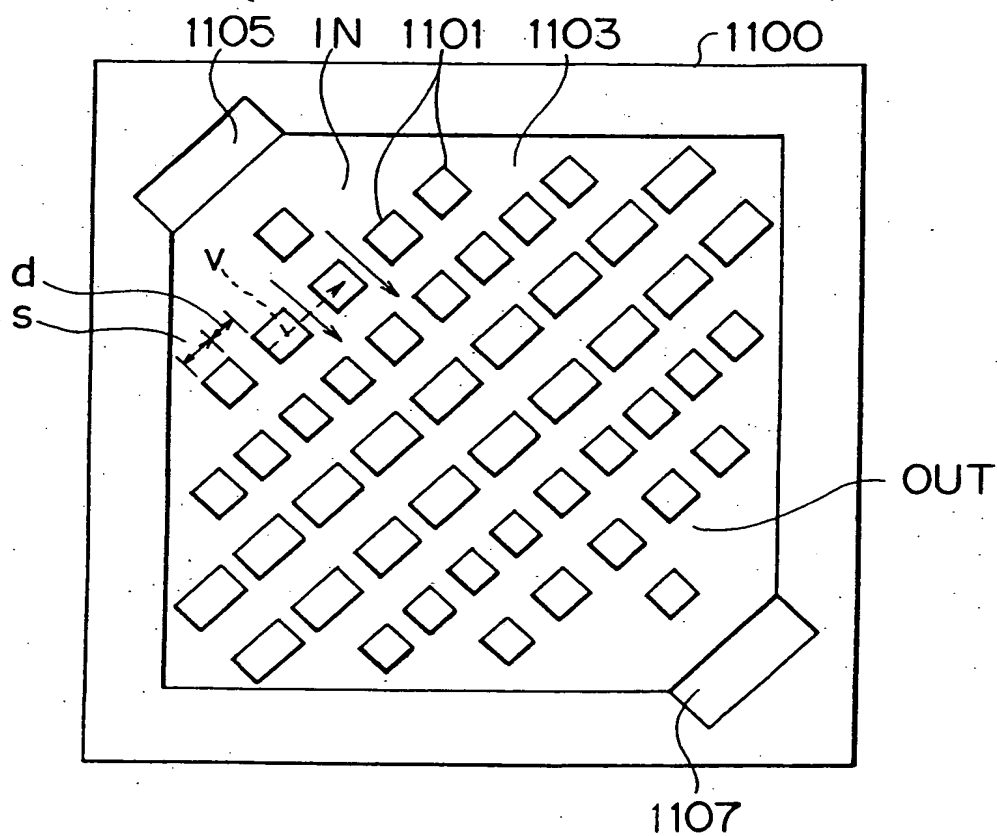


FIG. 34

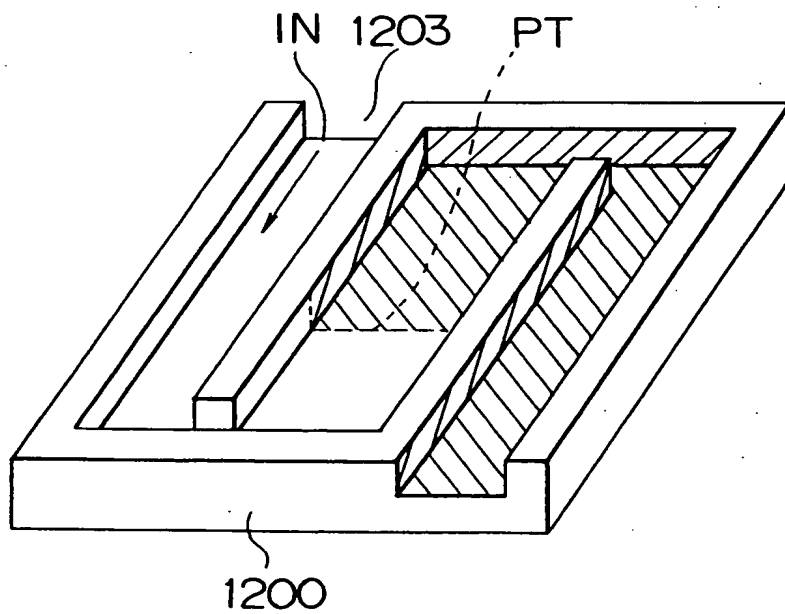


FIG. 35

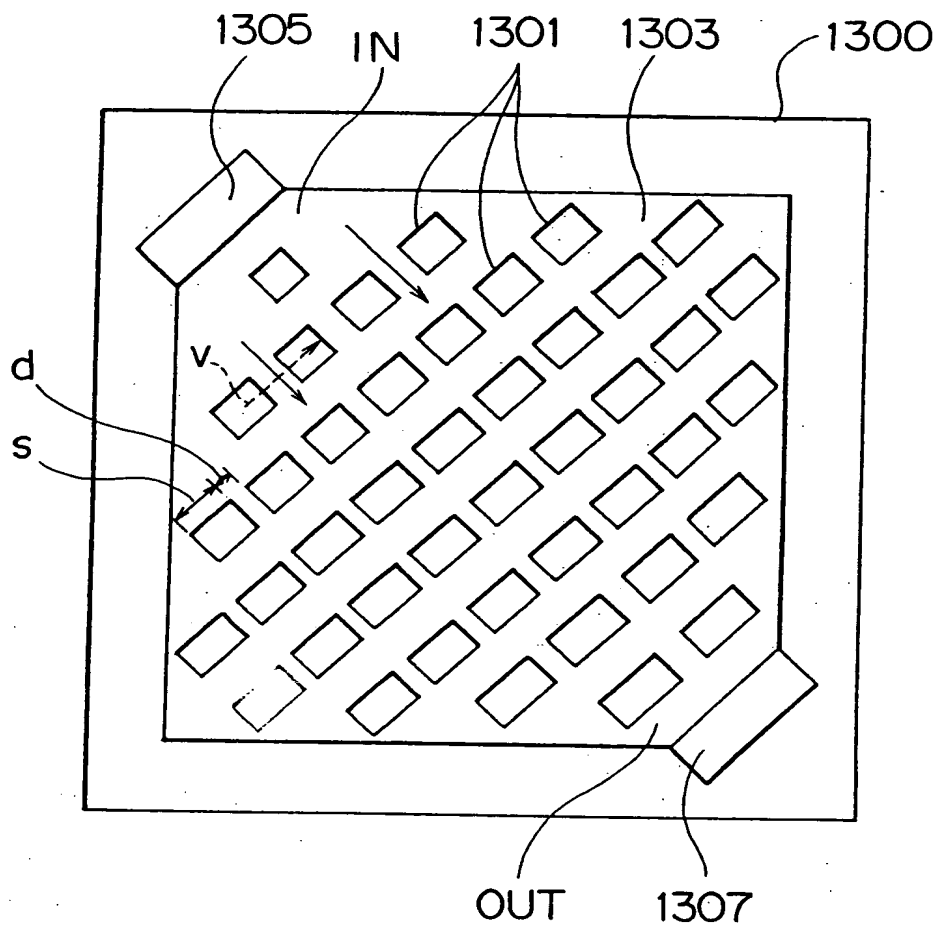


FIG. 36

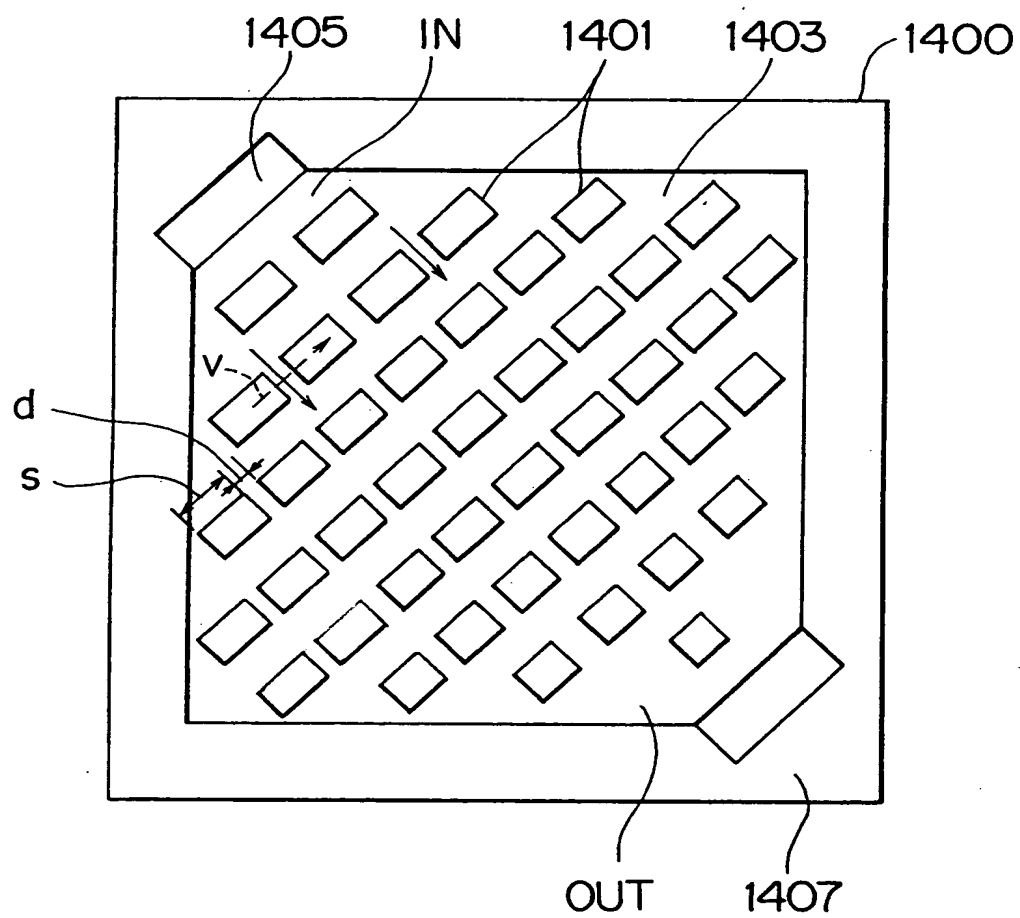


FIG. 37

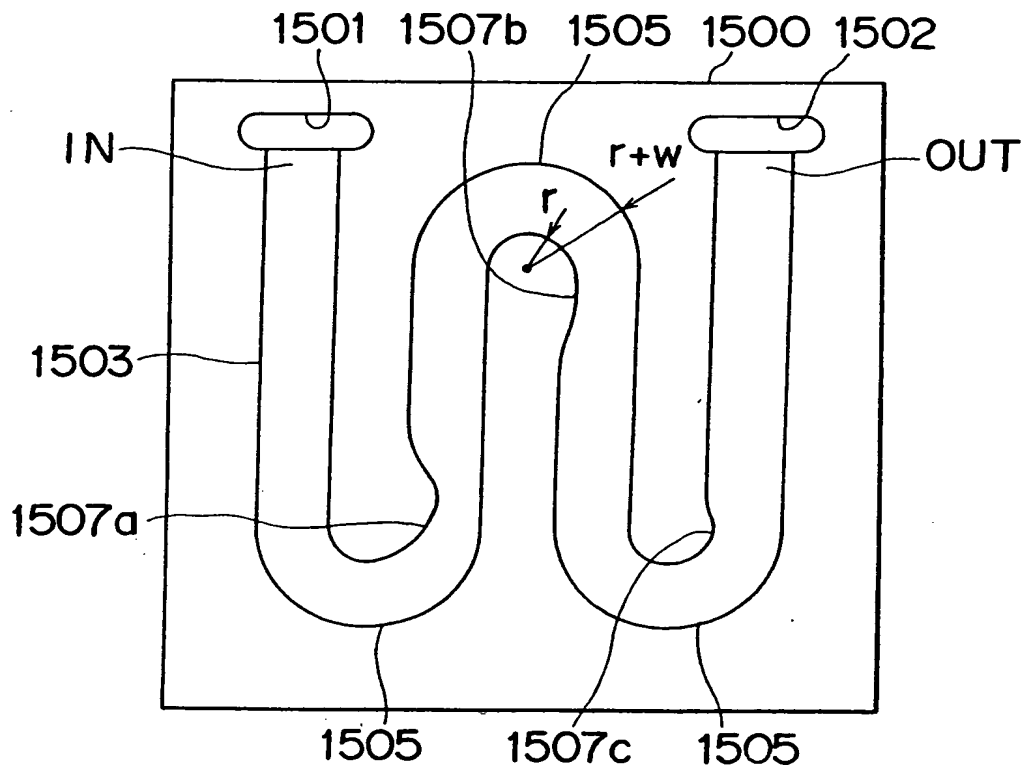


FIG. 38

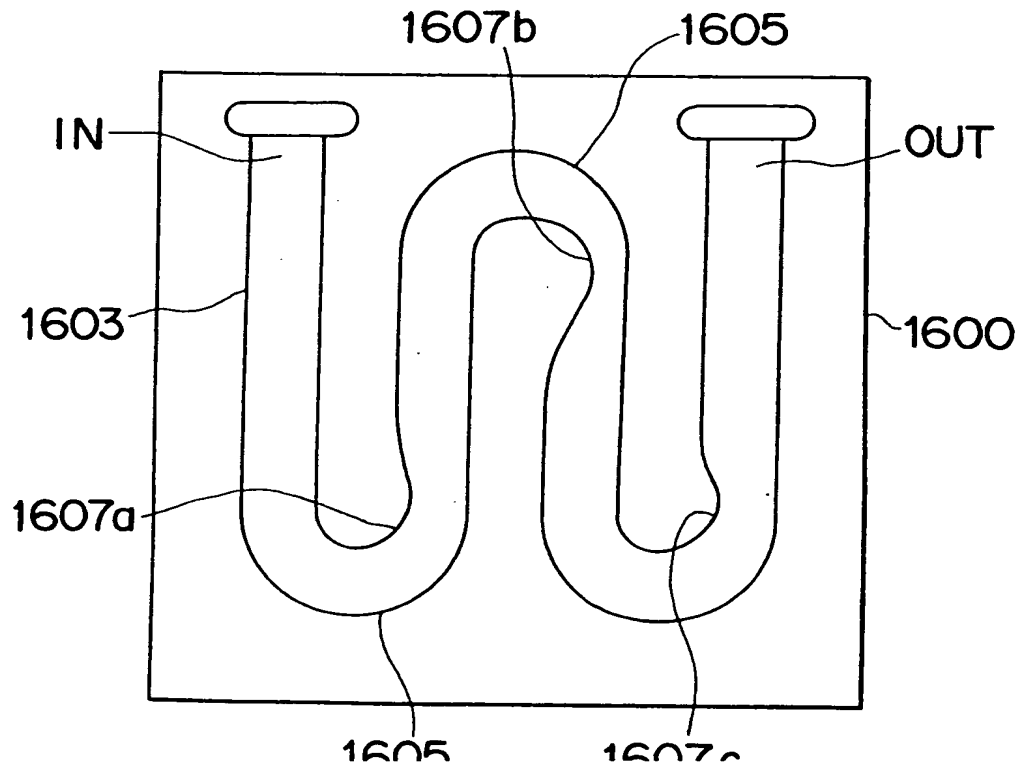


FIG. 39

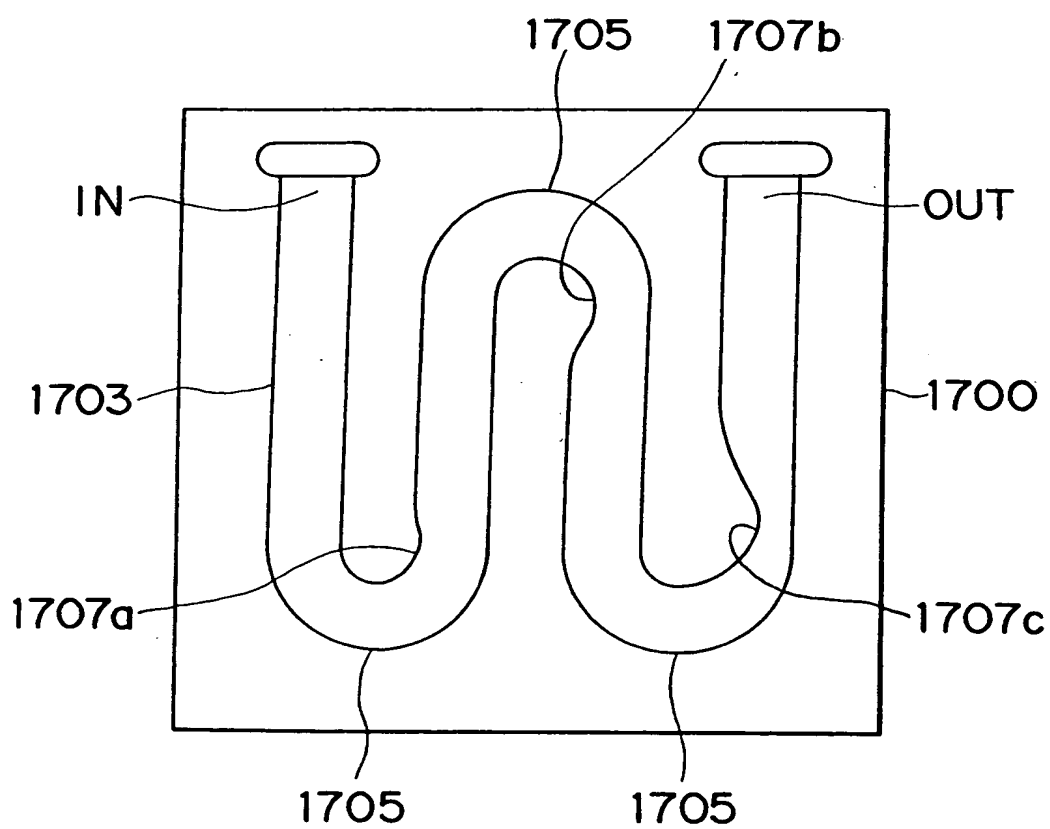
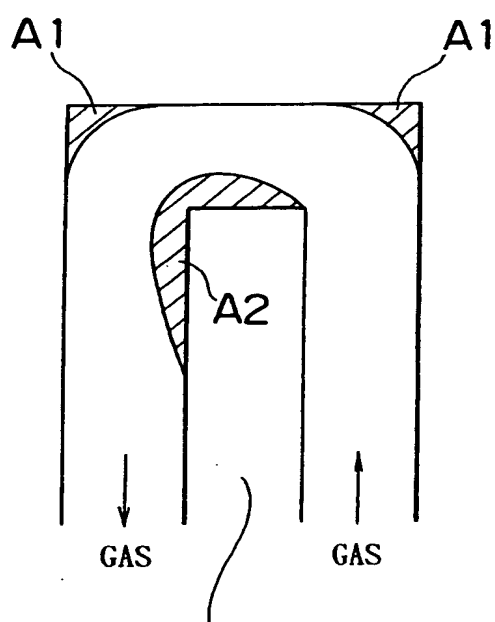


FIG. 40



CONCAVE PORTION OF PASSAGE GROOVE

FIG. 41
RELATED ART

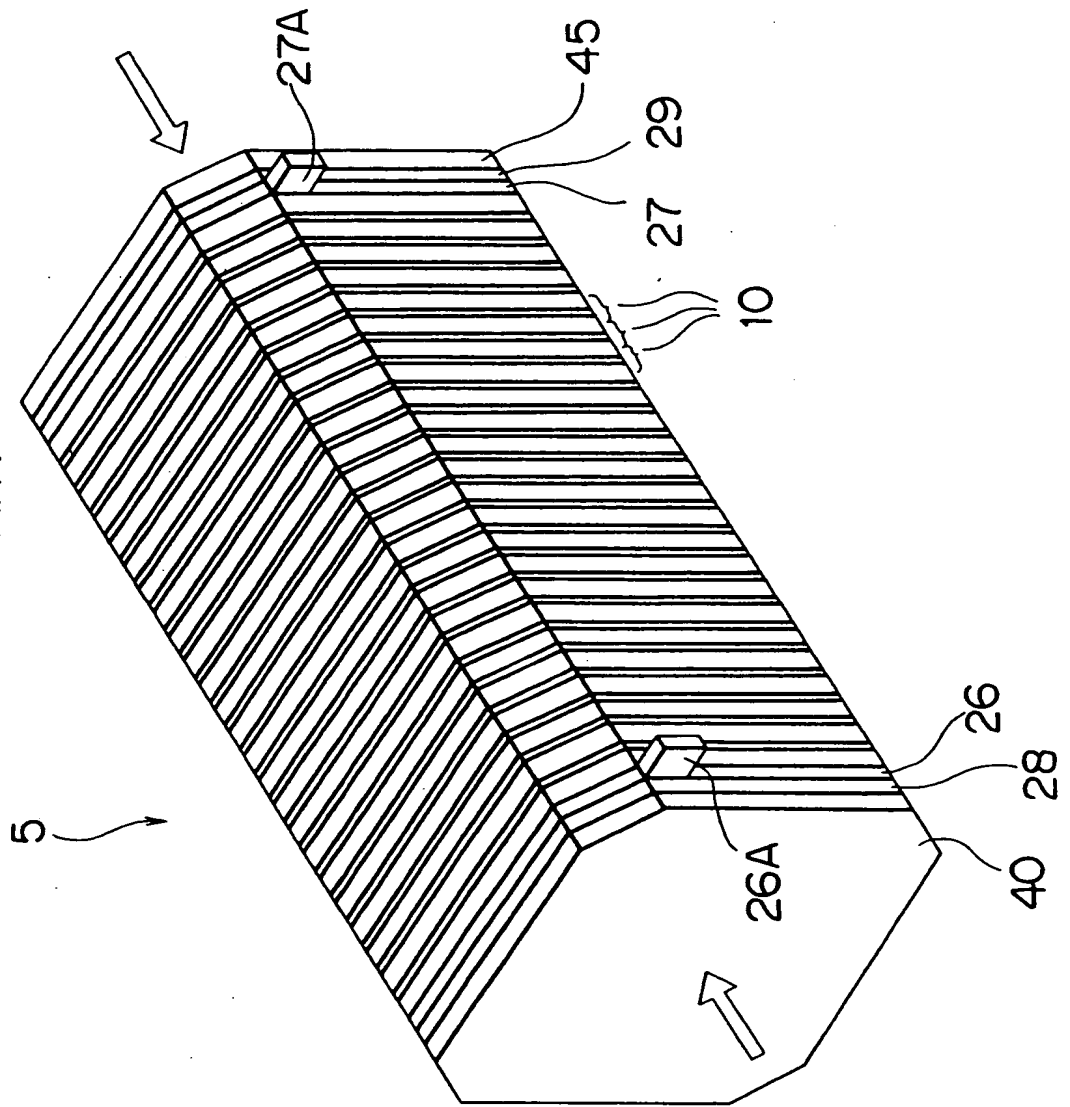


FIG. 42
RELATED ART

